

BC

XP-002241033

AN - 1995-128364 [17]
AP - JP19930203329 19930817
CPY - KONS
DC - A89 A96 B04 E24 G08 P84 S03 S06
FS - CPI;GMPI;EPI
IC - C08F2/44 ; G01N33/545 ; G03G9/087
MC - A08-E04 A10-B A10-D A12-L05C2 A12-V03C2 B04-C03 B06-D03 B06-D05
B12-K04 B12-M09 B12-M11D E21-C02 E24-B E25-E01 G06-C04 G06-G05
- S03-E14H4 S06-A04C1
M1 - [03] M423 M430 M782 M903 N102 P831 Q130 Q348 V742 V743
- [04] M423 M750 M903 N102 Q130 Q348 V600 V611 V791
M2 - [01] D013 D021 D022 D023 D024 D025 D611 F012 F014 F015 F016 F543 H600
H608 H609 H641 H642 H643 H7 H720 J0 J011 J3 J371 J5 J523 K0 L1 L145 L9
L910 L999 M1 M116 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222
M223 M224 M231 M232 M233 M240 M273 M281 M282 M283 M311 M321 M344 M372
M391 M412 M430 M511 M521 M530 M540 M782 M903 M904 N102 P831 Q130 Q348;
9517-48701-D 9517-48701-M
- [02] D012 D019 D022 D029 D712 D799 G011 G019 G100 H5 H542 H8 J0 J012
J3 J342 J5 J522 J582 K0 K5 K534 K599 L9 L921 L999 M210 M211 M262 M282
M311 M312 M321 M322 M332 M342 M343 M349 M381 M383 M391 M392 M412 M430
M512 M520 M532 M540 M782 M903 M904 N102 P831 Q130 Q348; 9517-48702-D
9517-48702-D 9517-48702-M
M3 - [01] D013 D021 D022 D023 D024 D025 D611 F012 F014 F015 F016 F543 H600
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L910 L999 M1 M116 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222
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M391 M412 M430 M511 M521 M530 M540 M782 M903 M904 N102 P831 Q130 Q348;
9517-48701-D 9517-48701-M
- [02] D012 D019 D022 D029 D712 D799 G011 G019 G100 H5 H542 H8 J0 J012
J3 J342 J5 J522 J582 K0 K5 K534 K599 L9 L921 L999 M210 M211 M262 M282
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M512 M520 M532 M540 M782 M903 M904 N102 P831 Q130 Q348; 9517-48702-D
9517-48702-D 9517-48702-M
M4 - [06] D013 D021 D022 D023 D024 D025 D611 F012 F014 F015 F016 F543 H600
H608 H609 H641 H642 H643 H7 H720 J0 J011 J3 J371 J5 J523 K0 L1 L145 L9
L910 L999 M1 M116 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222
M223 M224 M231 M232 M233 M240 M273 M281 M282 M283 M311 M321 M344 M372
M391 M412 M430 M511 M521 M530 M540 M782 M903 M904 N102 P831 Q130 Q348
W003 W030 W334; 9517-48701-D 9517-48701-M
- [07] D012 D019 D022 D029 D712 D799 G011 G019 G100 H5 H542 H8 J0 J012
J3 J342 J5 J522 J582 K0 K5 K534 K599 L9 L921 L999 M210 M211 M262 M282
M311 M312 M321 M322 M332 M342 M343 M349 M381 M383 M391 M392 M412 M430
M512 M520 M532 M540 M782 M903 M904 N102 P831 Q130 Q348 W003 W030 W113
W125 W131 W334; 9517-48702-D 9517-48702-M
M6 - [05] M903 P831 Q130 Q348 R514 R623 R630 R631
PA - (KONS) KONICA CORP
PN - JP7053612 A 19950228 DW199517 C08F2/44 014pp
PR - JP19930203329 19930817
XA - C1995-059141
XIC - C08F-002/44 ; G01N-033/545 ; G03G-009/087
XP - N1995-101167

AB - J07053612 Yellow pigment-contg. polymer particles (PPP) are claimed, which are obtd. by aq. pptn. polymerising a monomer component (A) contg. at least one hydrophobic monomer in an aq. system prepd. by dispersing Isoindole deriv. or disazo cpd. yellow organic pigment granules (B) of formula (I) or (II) in the presence of surfactants (C) at concns. below the critical micelle concn. (CMC), in the presence of polymerisation initiators (D). R1-R4=H, halogen or 1-5C alkyl; R5,R6=H or 1-10C alkyl, but not both H. Concn. of (D) (in mole/litre) is 0.001-0.03, and ratio of the molar concn. of (D) to that of (A) is 0.004-0.1. Also claimed are PPP obtd. by aq. pptn. polymerising (A) and 0.1-15 wt.% of at least one hydrophilic monomer in an aq. system contg. (B) in the presence of (C).

- USE - PPP are used as yellow toners for electrophotography and carriers for Immunoassay reagents (both claimed).
- ADVANTAGE - PPP have small particle dias. The toners for electrophotography have good colour-miscibility, spectral reflection property, spectral transmission property and durability.
- (Dwg.0/1)

CN - 9517-48701-D 9517-48701-M 9517-48702-D 9517-48702-M

IW - POLYMER PARTICLE CONTAIN YELLOW ISOINDOLE DI AZO PIGMENT OBTAIN PRECIPITATION POLYMERISE AQUEOUS MEDIUM CONTAIN PIGMENT SURFACTANT INITIATE ELECTROPHOTOGRAPHIC TONER IMMUNOASSAY REAGENT CARRY

IKW - POLYMER PARTICLE CONTAIN YELLOW ISOINDOLE DI AZO PIGMENT OBTAIN PRECIPITATION POLYMERISE AQUEOUS MEDIUM CONTAIN PIGMENT SURFACTANT INITIATE ELECTROPHOTOGRAPHIC TONER IMMUNOASSAY REAGENT CARRY

NC - 001

OPD - 1993-08-17

ORD - 1995-02-28

PAW - (KONS) KONICA CORP

TI - Polymer particles contg. yellow isoindole or dis:azo pigment - obtd. by pptn. polymerisation in aq. medium contg. pigment, surfactant and initiator, used as electrophotography toners or immunoassay reagent carriers.

A01 - [001] 017 ; D01 D60 D61-R F16 F07-R F26-R F30-R F35-R F53 P- 5A O- 6A S- ; P0000 ; H0000 ; H0011-R ; L9999 L2573 L2506 ; L9999 L2528 L2506 ; L9999 L2551 L2506 ; L9999 L2675 L2506 ; S9999 S1456-R ;

- [002] 017 ; ND00 ; ND01 ; Q9999 Q8082 ; Q9999 Q7998 Q7987 ; Q9999 Q8639 Q8617 Q8606 ; B9999 B3509 B3485 B3372 ; B9999 B5209 B5185 B4740 ;

- [003] 017 ; C999 C000-R ;

- [004] 017 ; D01 D11 D10 D23 D22 D24 D12 D33 D41 D45 D54 D51 D57 D59 D69 D93 D94 D95 F08 F07 F12 F70 N- 5A O- 6A 7A-R ; A999 A102 A077 ; A999 A771 ; B9999 B4262 B4240 ;

- [005] 017 ; D01 D19 D18 D24 D22 D35 D45 D50 D95 F13 F23 F34 F70 F78 ; A999 A102 A077 ; A999 A771 ; B9999 B4262 B4240 ;

- [006] 017 ; A999 A635 A624 A566 ; A999 A646 A624 A566 ;